

Lantal



*Welcome to Lantal
Corporate Presentation*

Success story



-
- 1886 Incorporation of Baumann & Brand linen mill
 - 1903 Incorporation of Baumann & Grütter weaving mill
 - 1930 Acquisition of company by sons Fritz and Willy Baumann
 - 1951 Fritz and Willy Baumann go separate ways. Incorporation of Création Baumann and Möbelstoffweberei Langenthal AG
 - 1954 Initial sale of seat cover fabrics to KLM
 - 1956 Acquisition of Meister AG weaving mill, entry into the railway and bus industry
 - 1979 Construction of the mill in Rural Hall, USA
 - 1985 Acquisition of Melchnau carpet mill
 - 1996 New company name: Lantal Textiles Ltd
 - 2004 Presentation of first pneumatic aircraft seat (prototype)
 - 2007 Incorporation of engineering division
 - 2008 Acquisition of Wollspinnerei Huttwil AG
First order for a complete pneumatic comfort system
 - 2011 Accreditation with Design Organization Approval (DOA) (withdrawn end of 2018)
 - 2014 Incorporation and inauguration of sales hub Americas and sales hub Asia-Pacific
 - 2016 Incorporation and inauguration of fire test laboratory in Abu Dhabi in partnership with Etihad; Acquisition of ACC Aircraft Cabin Components GmbH, Germany, and Gierlings-Velpor SA (today: Lantal Textiles SA) in Portugal
 - 2017 Incorporation of Lantal Parts s.r.o. production site, Czechia
 - 2018 Acquisition of Airline Services Interiors in England
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Lantal – Organization



Lantal branch office

Lantal Textiles AG - Branch, Abu Dhabi



First commercial fire test laboratory in the Middle East

Thanks to the partnership with Etihad Airways Engineering, Lantal's top-tier laboratory services are now available in the Middle East as well and effective immediately can be quickly and conveniently accessed in this important region. The Lantal laboratory is located adjacent to the Abu Dhabi International Airport within the Etihad Airways Engineering facility. It offers services such as flame, seat cushion, heat release, and smoke tests.



Lantal subsidiary ACC Aircraft Cabin Components GmbH, Germany



With more than 10 years of experience in the aircraft industry, ACC Aircraft Cabin Components GmbH is a well established company specialized in the sale and maintenance of used passenger seats and the overhaul of passenger cabins.

Number of employees: 24



Lantal subsidiary

Airline Services Interiors, England



Airline Services Interiors provides interior support services including EASA Part 145 seat maintenance and on wing support, cost effective, high quality EPA replacement parts and EASA Part 21J approved design services for cabin refreshes, rebrands and retrofits including IFE upgrades and in-seat power installations.

Number of employees: 116



Lantal subsidiary

Lantal Textiles SA, Portugal



The tradition-steeped, creative company was established in 1808 and offers a vast spectrum of capabilities such as weaving, dyeing, traditional and digital printing, and finishing.

Apart from producing velvet products for the train, tram, and bus markets, Gierlings-Velpor is also active in the apparel, decoration, and technical textiles segments.

Number of employees: 129



Lantal subsidiary

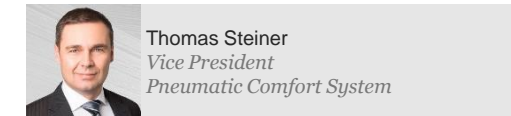
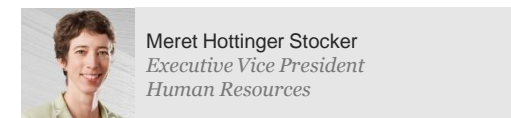
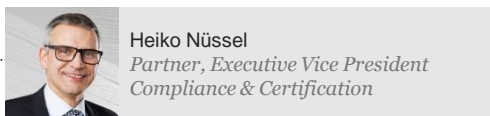
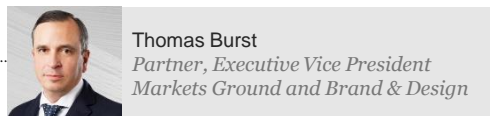
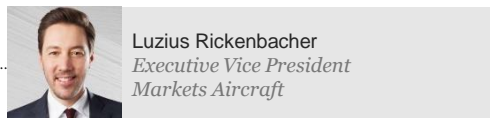
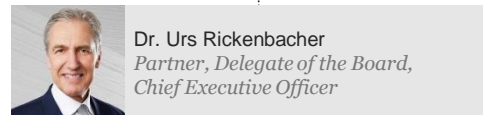
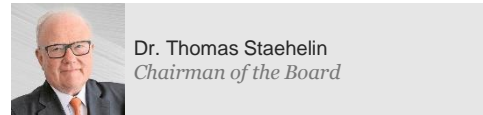
Lantal Parts s.r.o., Czechia



Lantal Parts s.r.o. is a pure contract manufacturer/workbench and employs 63 persons.

Thus, as of immediately, Lantal can independently sew covers, upholster seats, and produce literature pockets relying on existing production machinery.





Markets, products and services

Aircraft



Train



Bus



Executive



Products: seat cover fabrics, curtain fabrics, velvet, wall coverings, carpets, leather/artificial leather, sheepskin, etc.

Services: design, lab, ready-to-install-products, etc.

Pneumatic comfort system

Some references Europe



Some references Americas



Some references Far east / Australia



Some references Middle East



Some references Africa



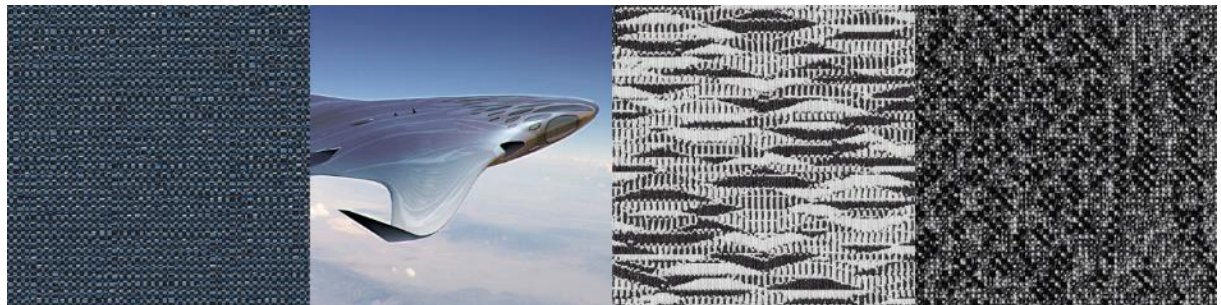
Some references Executive

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- The U.S. President's aircraft „Air Force One“
 - King Fahd of Saudi Arabia
 - Roman Abramovich from Russia
 - Etc.



Key figures

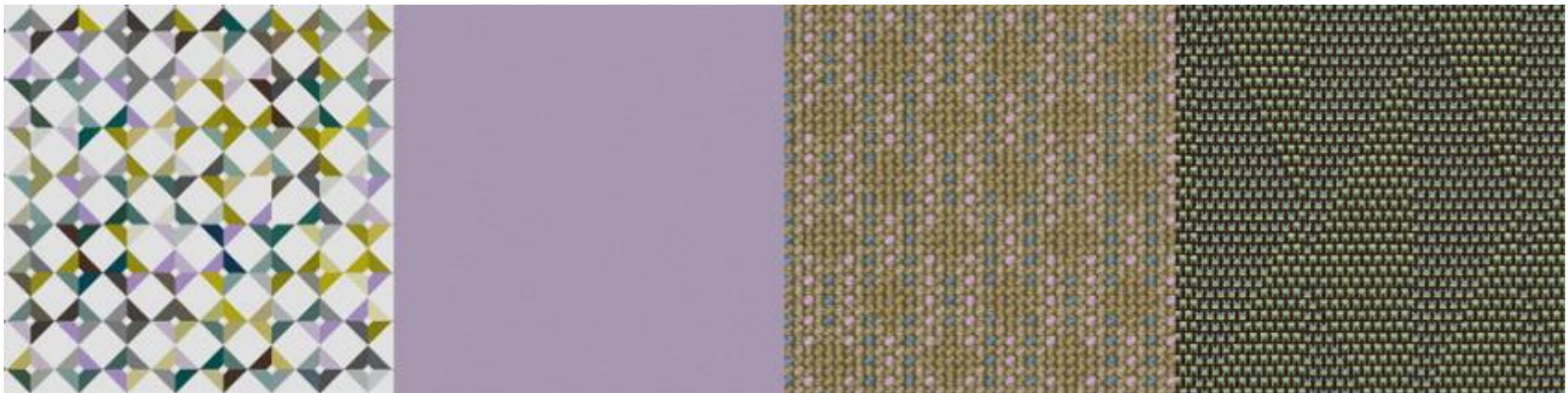
- Sales 2018: CHF 105.1 Mio
- Workforce fulltime (31.12.2018): 695
288 in Switzerland, excluding 17 trainees, and 50 in the USA, 6 in Singapore, 3 in France, 60 in Czechia, 129 in Portugal, 135 in England and 24 in Germany



With coherent all-in-one solutions, Lantal assures the ultimate in well-being for passengers.

Benefit

Lantal enhances the prestige of the customer's service brand (Singapore Airlines, Airbus, Zurich Public Transport, French Railways, ...). This is Lantal's value-adding contribution.

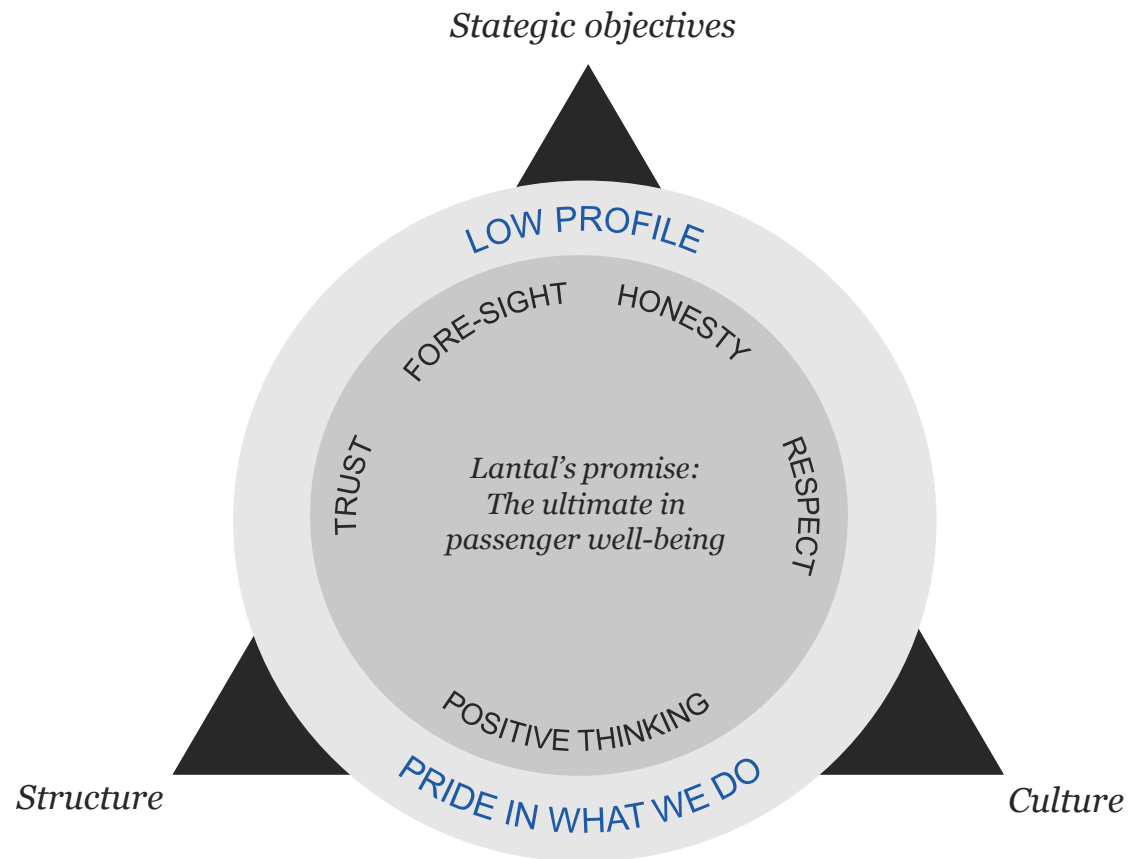


Lantal – Transportation Fashion
The highest level of well-being for passengers



The Lantal brand core

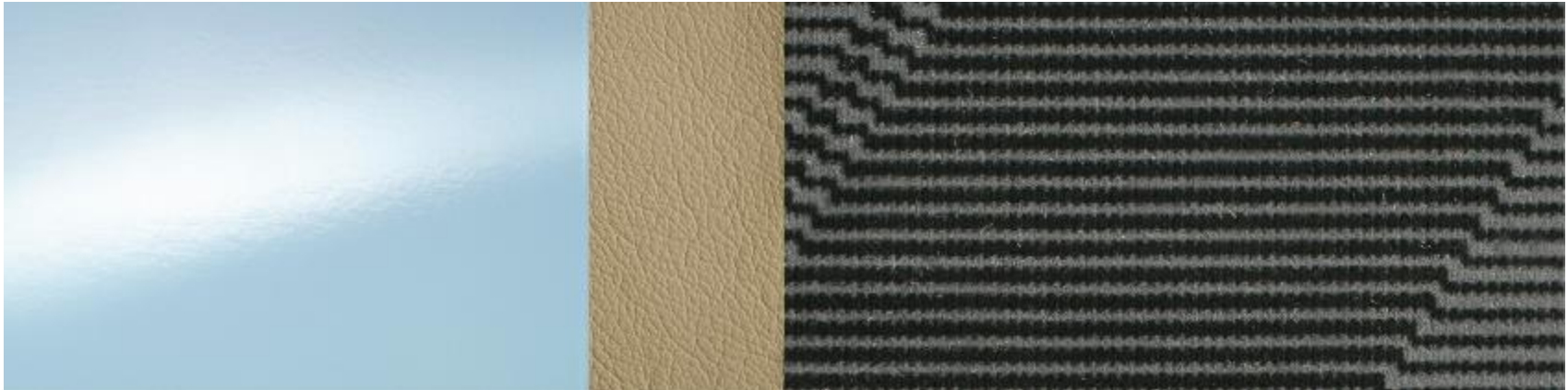
Corporate leadership and brand management



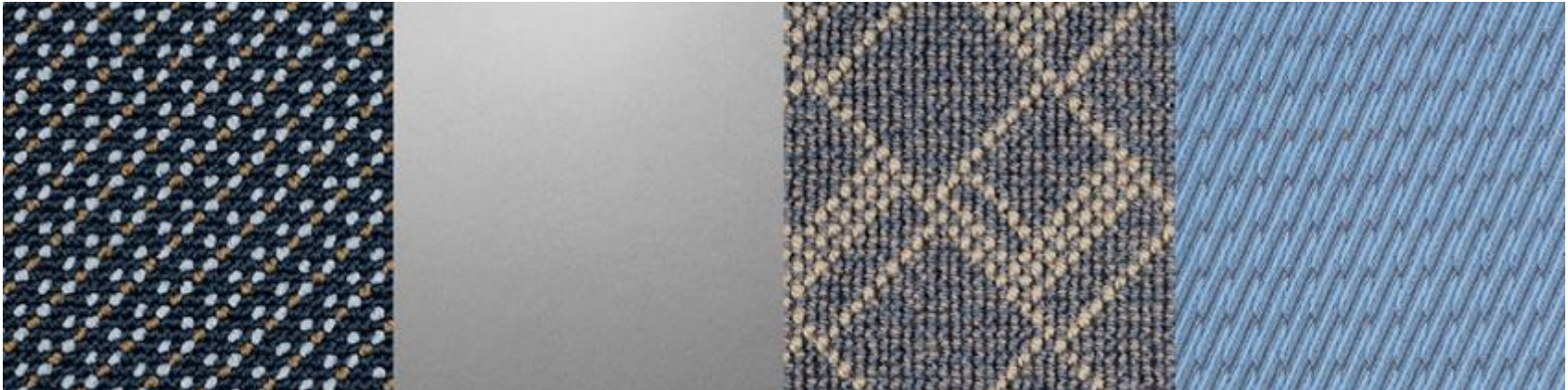
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- Lantal strives to be a global market leader
 - Lantal differentiates itself from competitors with all-in-one solutions
 - Lantal pursues a strategic brand management approach to establish lasting relations with customers, employees, and partners via brand loyalty



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- Seamless connections instead of interfaces
 - Reduction of complexity with standards in the product line
 - Close collaboration in networks



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- Living Lantal's values
 - Systematic challenge and promotion of the entrepreneur within the enterprise
 - Promotion of an open and dynamic in-house climate to encourage excellence

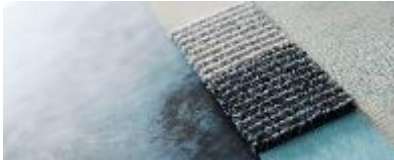


Lantal's products and services



Soft interiors product range

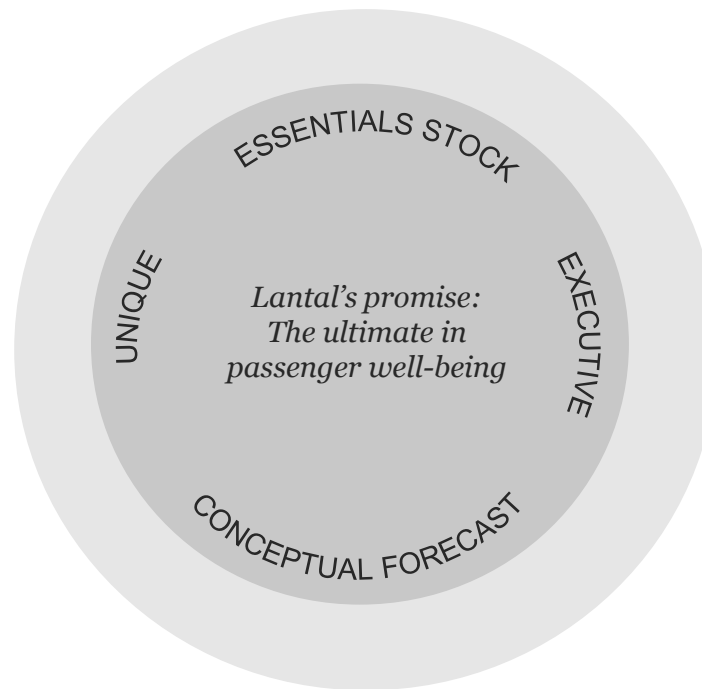
Unique



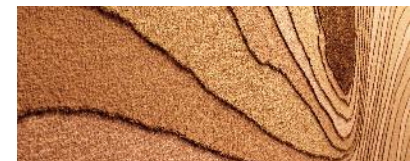
Essentials Stock



Conceptual Forecast



Executive

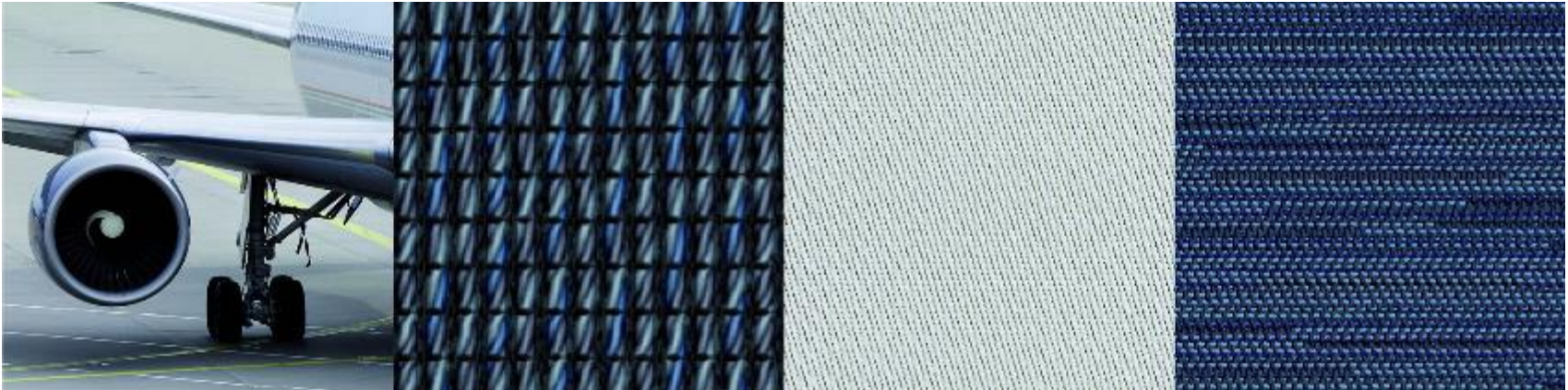


Essentials Stock



Advantages of Essentials Stock concept

- Create a cabin interior with style, distinctiveness, and taste
- Single-source convenience for all interior textiles
- A large choice of contemporary and classic designs - saving time and money for development
- Fast off-the-shelf delivery in small quantities of stock items





Advantages of Executive

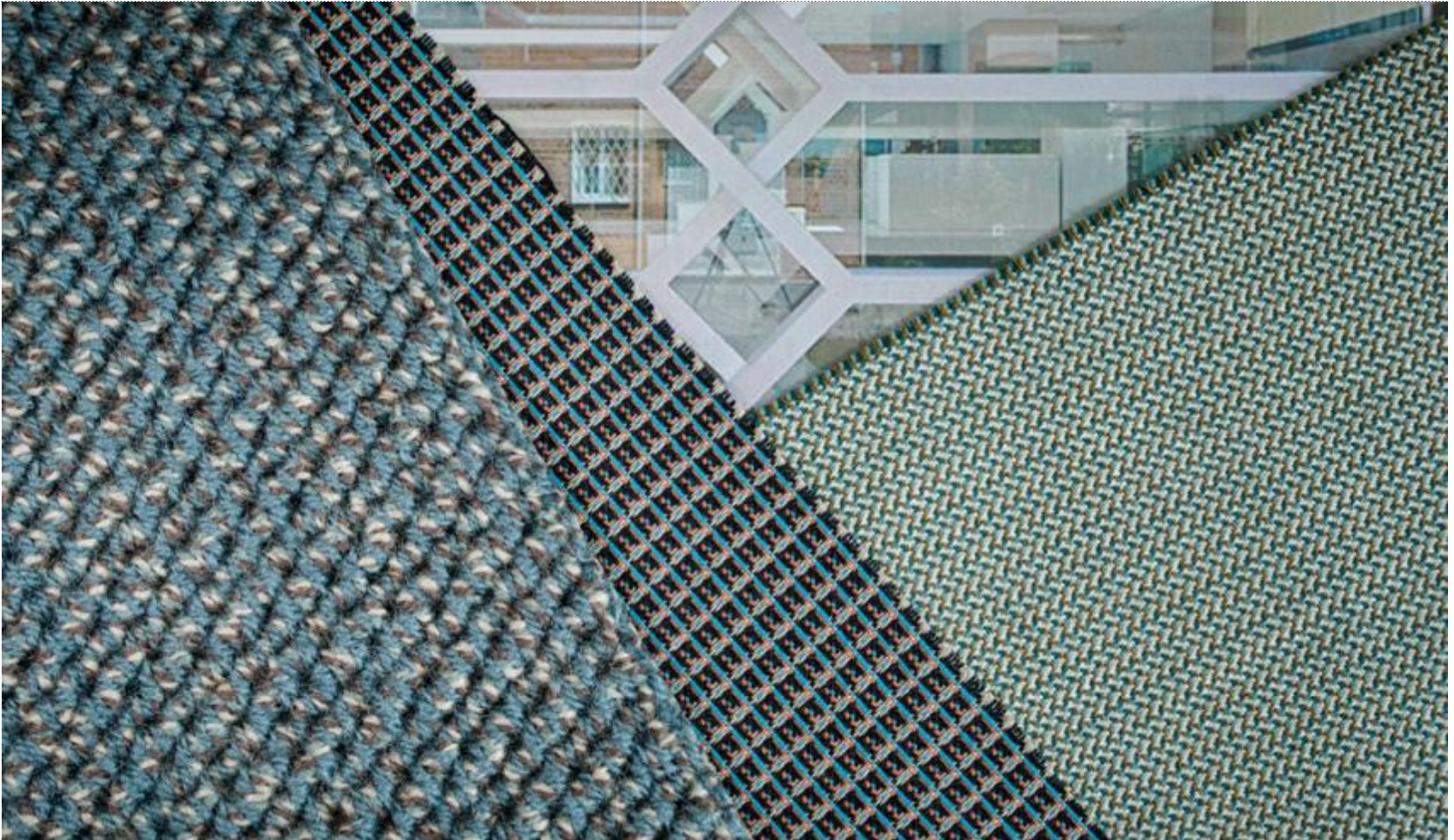
Lantal's VIP carpet portfolio opens up a dream world of resources that will inspire the design of the most exquisite aircraft interiors.

Lantal offers all-in-one soft interiors that redefine the perception of well-being in business jets, VIP aircraft, and luxurious first-class cabins, yachts.

Lantal's design team can assist you in developing an interior that precisely reflects your taste.

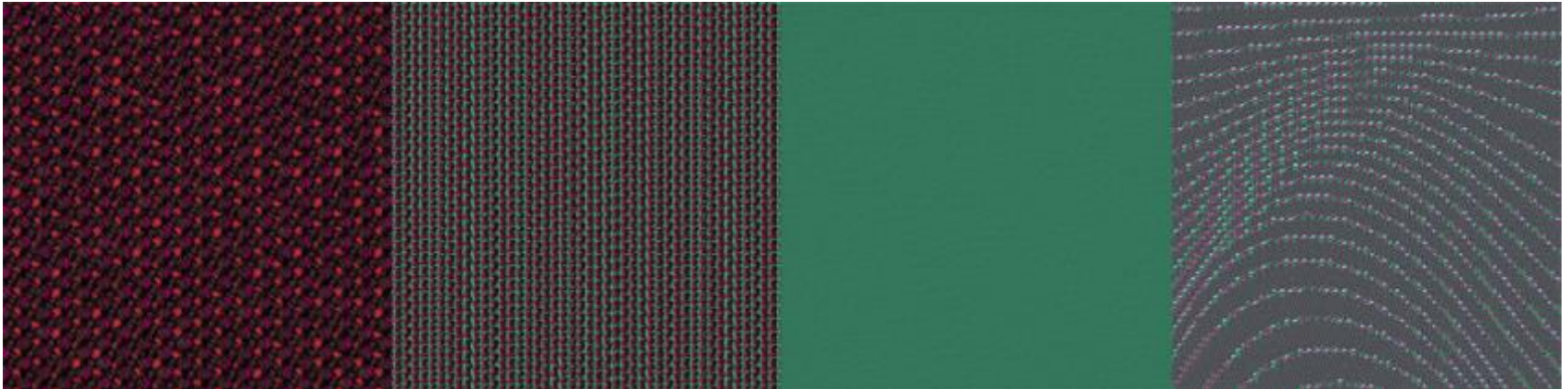


Conceptual Forecast

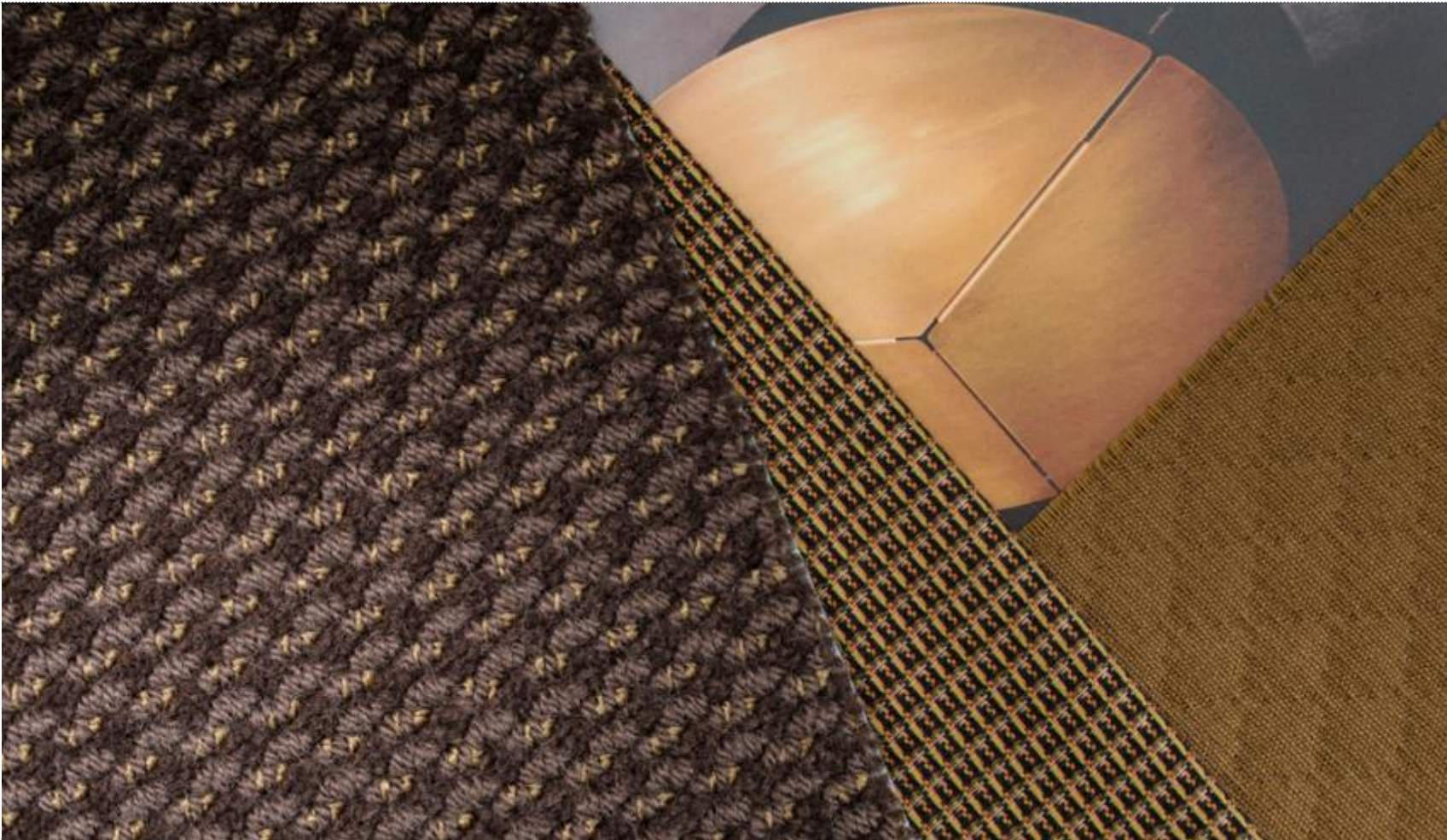


Advantages of Conceptual Forecast

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- Inspirations for customized solutions
 - Evaluation of structures, materials, colors, textures, functions
 - An essence of obvious trends and ideas
 - Permanent research in order to support customers and minimize the risk of decisions



Unique and customized products



Advantages of Unique and customized products

- Your passengers feel at ease in your aircraft and recognize your brand
- Most appealing design with best functionality and cost effectiveness
- Touch, design, colors, shapes, acoustics, light, comfort, durability – for an enjoyable trip of your passenger experience
- Big effect with little expense
- Optimal support from the first idea to final implementation



Pneumatic Comfort System (PCS)

Properties



- **Comfort**

Significantly increased comfort, as the cushion firmness is adaptable to personal preferences

- **Weight and total cost reduction**

Pneumatic cushions save weight compared to regular foam cushions, which leads to a significant reduction of CO₂ emissions

- **Safety**

Less flammable material in case of fire

- **Durability**

Pneumatic cushions keep their full functionality without degradation

- **Innovation**

Lantal's cushions have a direct impact on an airline's profitability



Pneumatic Comfort System (PCS)

Highest comfort through adaptive air-filled cushions

Key Facts

- Outstanding comfort
- Reduced operation cost, no maintenance
- Less weight
- Adjustable firmness
- Automatic Gap Filler
- Lumbar support & massage
- Dynamic contouring
- Hygienic
- Automatic seat extensions for headrest, backrest & seat bottom cushions



Cross section

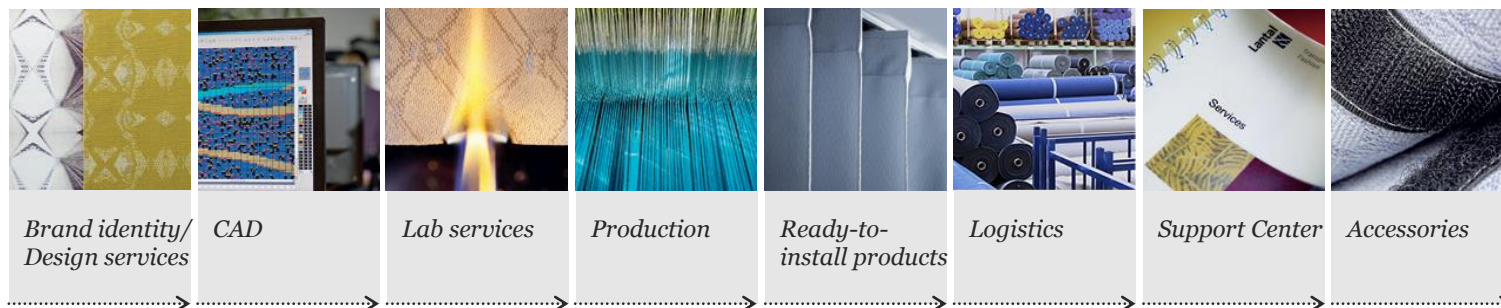


Full Body Massage



Automatic Gap Filler

All-in-one solutions by Lantal



Lantal's all-in-one solutions

Ready-to-install parts



Seat

Seat and headrest covers



Fabric and leather, cut to size, sewn. Also for seats with Pneumatic Comfort System

Antimacassars



Fabric and leather, cut to size, sewn

Arm caps



Cut to size

Literature pockets

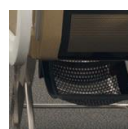


Custom-designed to fit the seat

Leg-/ footrests



Leather, cut to size

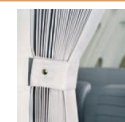


Nets, custom-designed to fit the seat

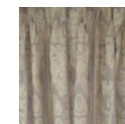


Cabin Divider

Curtains



Pleated, sewn, or steam-set, including tie-back



Plain, sewn, including tie-back

Floor

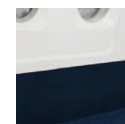
Carpets



Cut to width, rectangular tiles, cut to size, shapes pre-cut to size

Floor to Ceiling





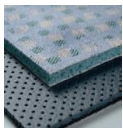






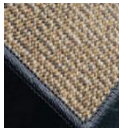




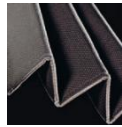
Lower sidewalls



Cut to size

Lantal's all-in-one solutions

Ready-to-install parts & options

Parts	Seat and headrest covers	Antimacassars	Curtains	Carpets
	 <p>Fabric and leather, cut to size, sewn. Also for seats with Pneumatic Comfort System</p>	 <p>Fabric and leather, cut to size, sewn</p>	 <p>Pleated, sewn, or steam-set, including tie-back Or: Plain, sewn, including tie-back</p>	 <p>Cut to width, rectangular tiles, cut to size, shapes pre-cut to size</p>
Options	 <p>Lamination, fabric and leather</p>	 <p>Embroidery, fabric and leather</p>	 <p>Laser-perforated or semi-transparent</p>	 <p>Tone-on-tone serging</p>
	 <p>Perforation, leather</p>	 <p>Embossing, leather</p>	 <p>Double-sided printed</p>	 <p>Contrast serging</p>
	 <p>Contrasting seams and decorative stitching, fabric and leather</p>		 <p>Light-blocking</p>	 <p>Self-adhesive coatings</p>
	 <p>Stain repellent, antimicrobial finish, fabric</p>		 <p>Sound-absorbing</p>	

Lantal's all-in-one solutions

Advantages of ready-to-install parts

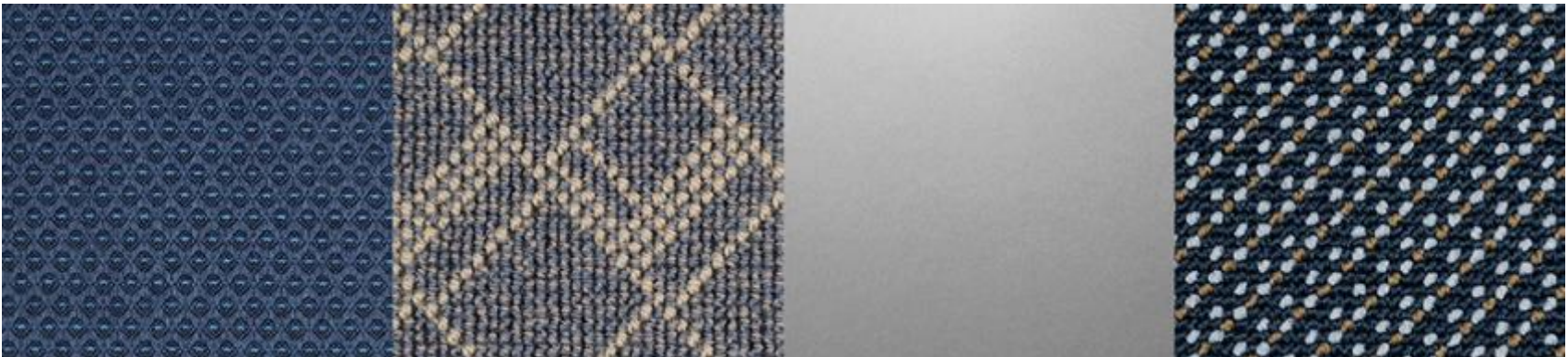
- Lantal manages the entire process from development, engineering, and certification to on-time delivery. You benefit from a single point of contact, streamlined administration, lower costs, and less complexity from start to finish.
- Easy to install, delivered ready-to-install
- The physical delivery is accompanied by an EASA Form 1 or CoC
- Compliance with all airworthiness requirements



Lantal's all-in-one solutions

Design services

- Interior designs matched to the identity of the airline's service brand
- Consulting of brand and corporate design issues
- Specialized in planning and designing of coordinated interiors for aircraft, with sound suggestions for materials
- Tailor-made or total concepts as well as system solutions
- Visualization in presentation boards, material samples, mood boards and 3-D
- Customer oriented solutions, designed for optimal service life and minimized total cost of ownership



Lantal's all-in-one solutions

Lab services

- Flammability test
- Smoke/Toxicity test
- Flammability test for seat cushions
- Heat release rate → In accordance with FAR/CS 25.853
- And many more – for example: Abrasion resistance, peel test, electrostatic propensities, pilling, colorfastness, perspiration, dry cleaning, rubbing, etc.



Lantal's all-in-one solutions

Advantages of Lantal lab

- In connection with Production Organization Approval (POA) the Lantal lab was audited to EASA regulations Part 21 Subpart G by FOCA
- Every product manufactured by Lantal is tested and delivered with an approval certificate
- Lab services for third parties



Lantal quality standard

- All Lantal products meet Airbus and Boeing specifications

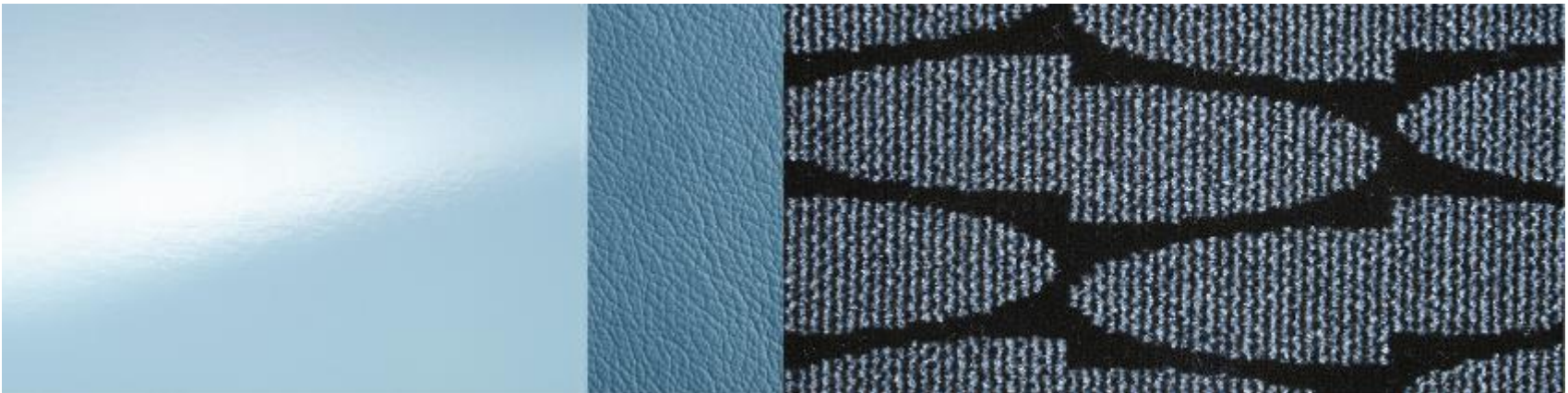
- Approved supplier of  **AIRBUS**  **BOEING**



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- Certified quality system EN 9100 / ISO 9001
 - Quality continuity
 - Process continuity

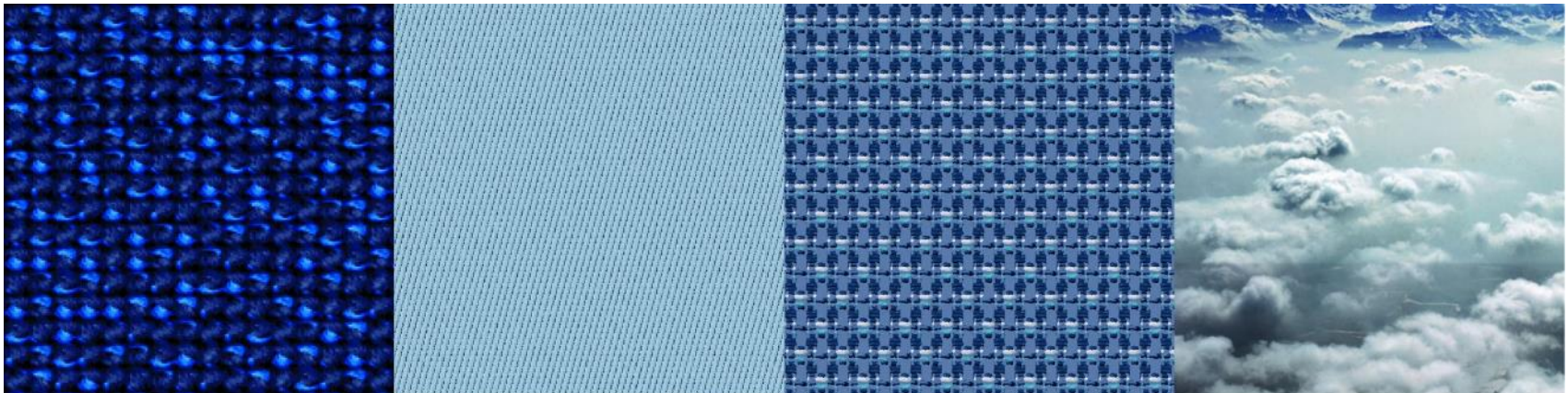


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- All-in-one solutions for the ultimate in well-being and the comfort of your passengers
 - Enhancement of your service brand
 - Consulting and development of pre-coordinated and unique interior solutions
 - High flexibility in development, design, and production
 - Worldwide network of agents



- Products come and go – the brand stays
- Partnerships that deserve the name
- For more than 60 years, Lantal has been creating soft interiors for aircraft, trains and buses.

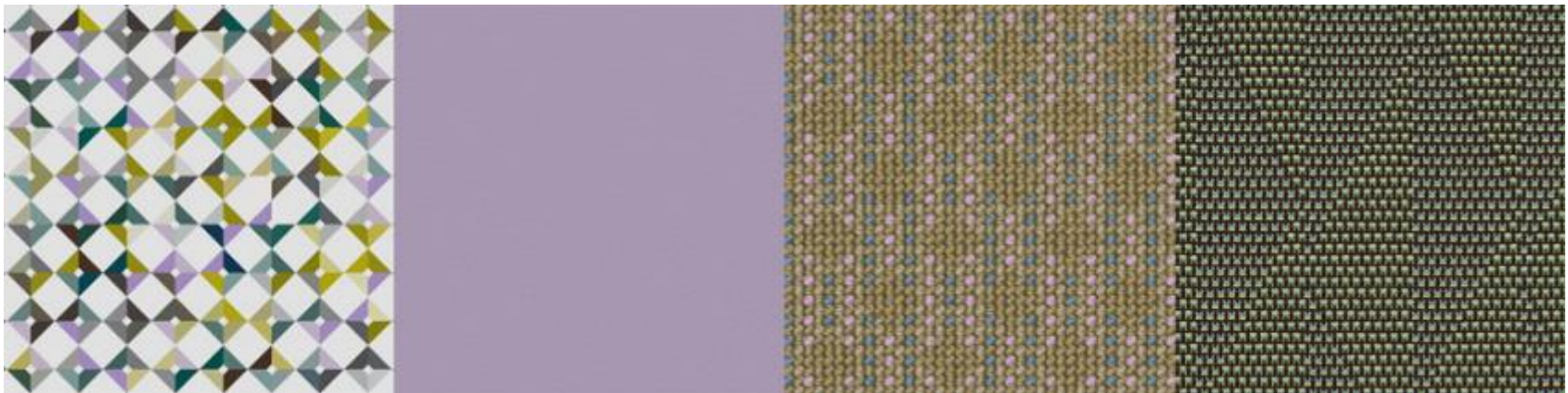
For the next 60 years, Lantal wants to create spaces in which passengers feel at ease.



Lantal – Transportation Fashion

The highest level of well-being for passengers

Do something for the uniqueness and the identity of your service brand and its income potential. Talk to Lantal!



Lantal – The highest level of well-being for passengers